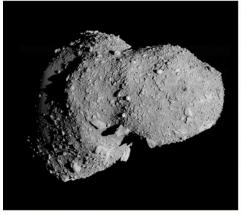
National Aeronautics and Space Administration



Asteroid Grand Challenge

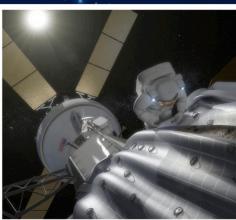
AGC Update

Jason L Kessler









Join the discussion and send questions to: #AskNASA

Asteroid Grand Challenge



Find all asteroid threats to human populations and know what to do about them

International Update



- International Asteroid Warning Network (IAWN)
 - Charter meeting in Boston, MA January 13th-14th
- Space Mission Planning Advisory Group (SMPAG)
 - First meeting in Darmstadt, Germany February 6th-7th
- UN COPUOS brief in Vienna on February 11th
- Initial engagement with South Africa to close a critical observation gap
 - In collaboration with the International Astronomical Union's Minor Planet Center, developed an effective "curriculum" that could be replicated for other international partners
 - South African engagement included representative scientists from Burkina Faso, Gabon, Namibia, and Zambia

SpaceGAMBIT Space Act Agreement





"Connecting makerspaces and hackerspaces to research and explore space."

- Virtual maker meetups
- Call for maker projects centered on education and outreach
- Educational space exploration badges for young citizen scientist
- Remotely controlled telescope Hackathon

www.spacegambit.org

Asteroid Data Hunter Video



Watch the video at:

www.youtube.com/watch?v=7wUrXAvWDOE

Asteroid Data Hunter Update



- As of Monday the 24th, 27,098 unique visitors have visited the Asteroid Data Hunter (ADH) site since March 10th
 - One contest last fall had 5,468 unique visitors since September 2013
- Of the visitors, 368 have registered for this first challenge which should close April 3rd
- None of the \$35,000 has been paid yet
- Creation of a preliminary/beta algorithm will begin on April 18th

International Asteroid Search Collaboration



• The International Astronomical Search Collaboration (IASC = "Isaac") started in October 2006 at Hardin-Simmons University (Abilene, TX) with 5 schools. It is an online education and public outreach program in astronomy for high schools and colleges and now middle schools with 500 schools in 70 countries.





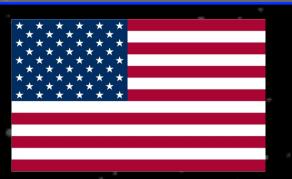
NASA Asteroid Initiative Opportunities Forum • #AskNASA

Dillard Drive Middle School



Mrs. Catherine Rohrbaugh
Steven Powell, Yamir Johnson,
Ryan Mitchell-Bagley and Emily Hiller

International Astronomical Search Collaboration







Portugal



Morocco



India



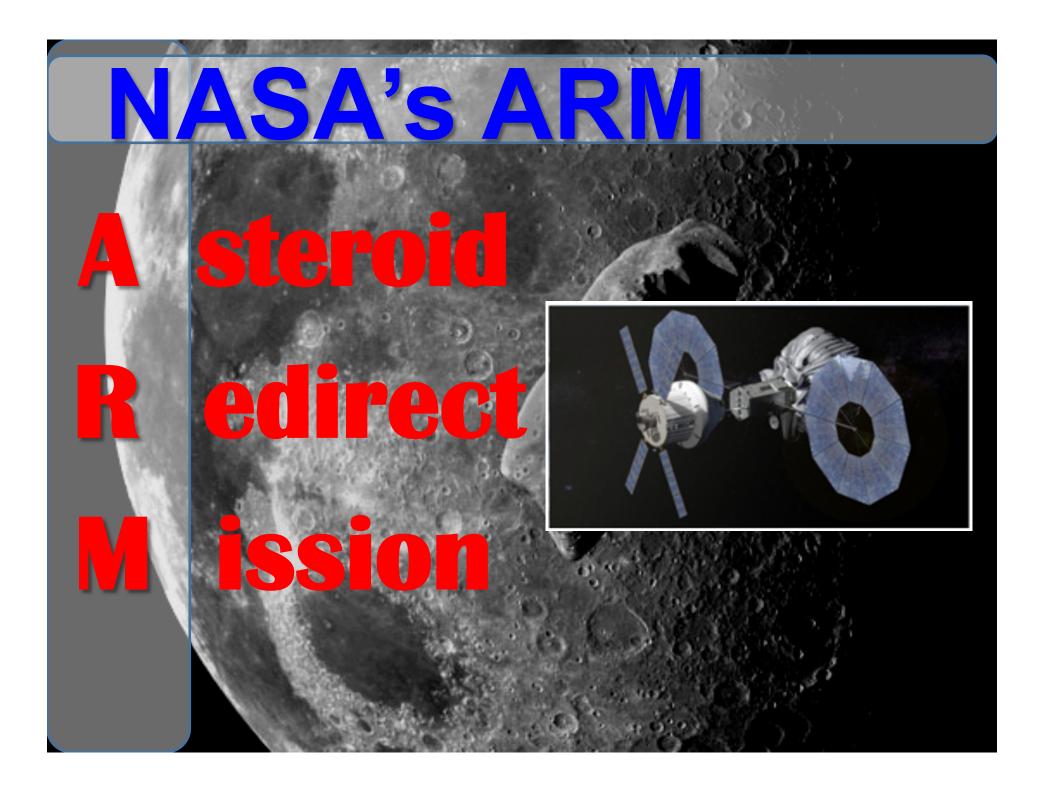
Bulgaria



Iran

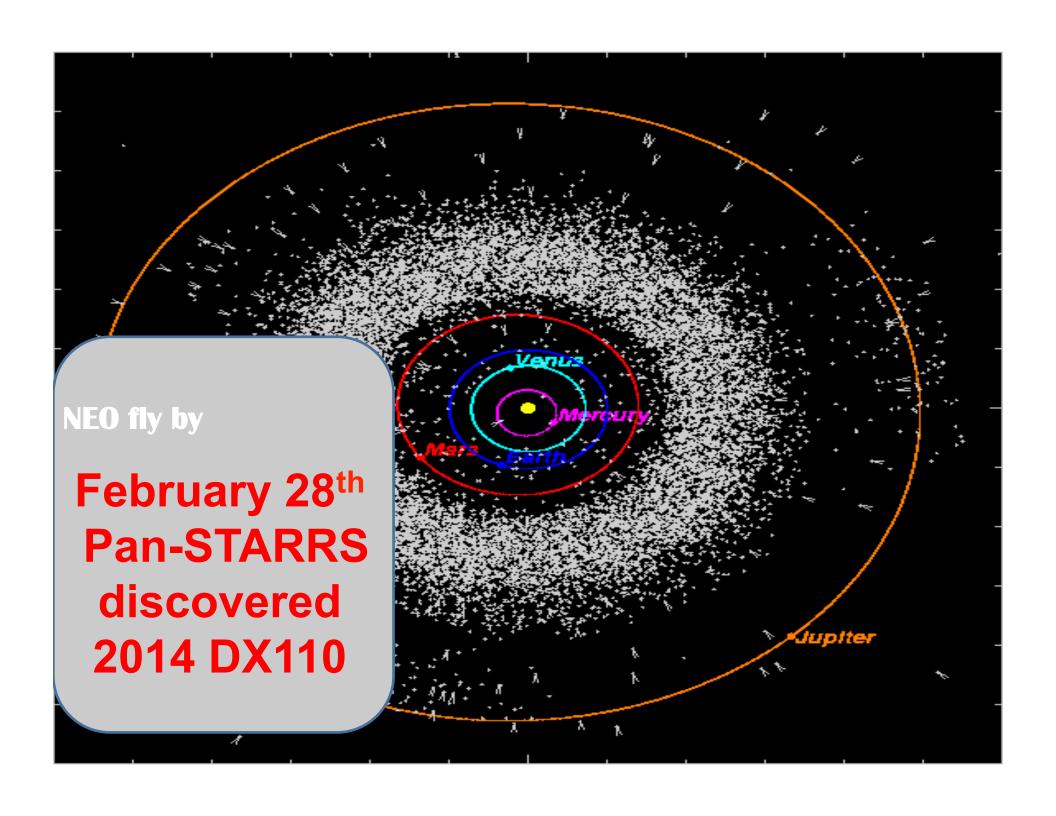


Italy

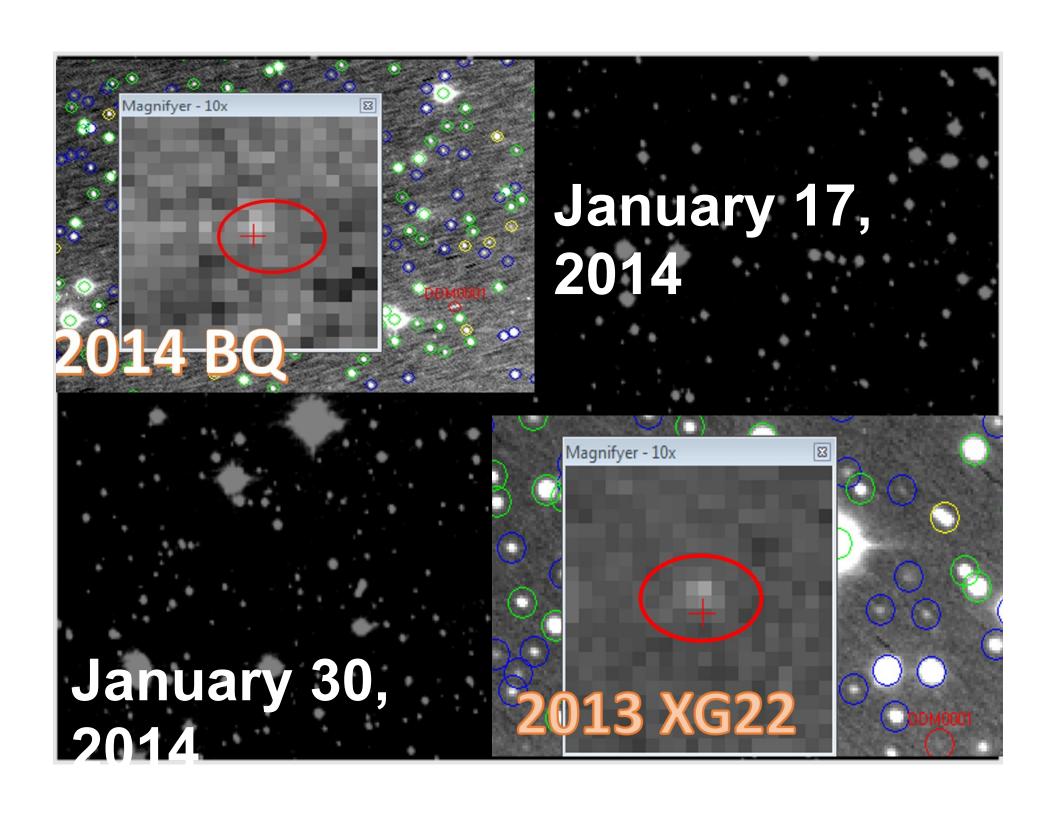


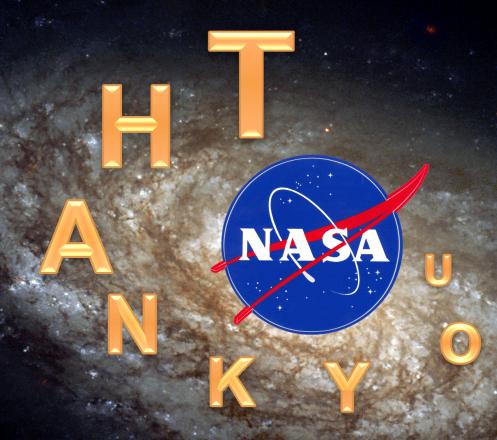
Current NEO Search

March 24 - April 28 PAN oramic S urvey elescope nd R esponse R www.ifa.hawaii.edu S



Magnifyer - 10x esults January 16, 2014 January 14, 2014 Magnifyer - 10x





We are extremely grateful to NASA for giving us this once in a lifetime opportunity and we hope to see you next year;)

International Space Apps Challenge



Five themes

- Technology in Space
- Human Space Flight
- Earth Watch
- Robotics
- Asteroids

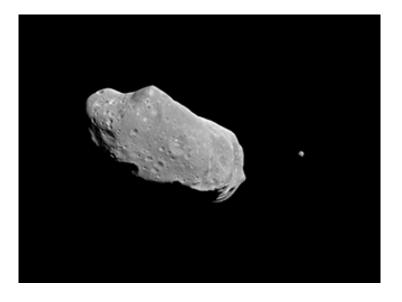
Asteroid themes

- Asteroid Imagery Sharing
- Asteroid Mission Simulators
- Asteroid Prospector
- Asteroid Watchers
- Create Your Own Asteroid Mission
- Make you Own Asteroid Movie

• April 12-13

- Find a location here:

https://2014.spaceappschallenge.org/location/



Looking Forward



- MakerFaire in San Mateo, CA May 17th & 18th
- AGC Virtual Seminar Series Friday the 28th
 - Al Harris talking about the NEA population and impact frequency https://ac.arc.nasa.gov/nagcss/
 - Archived talks by David Morrison, Lindley Johnson, and Paul Chodas

http://sservi.nasa.gov/articles/events/category/seminar_series/past/

Planning wiki

http://agcnotes.wikispaces.com/home

Anniversary Event- June 18, 2014







Join the conversation @asteroidgc